

CHAPTER V
SAFE DRINKING WATER ACT (SDWA)
REQUIREMENTS

N45 CONTACT:

Ron Tickle (N457)
(703) 602-2787

Table of Contents
Safe Drinking Water Act (SDWA) Requirements

A. Overview.....	1
B. Guidebook Items	
05001 Conduct Cross-Connection/Backflow Prevention Study	8
05002 Design/Construct for Installation of Backflow Preventers.....	11
05003 Conduct Corrosion Control Treatment Study	14
05004 Design/Construct Corrosion Control Treatment Equipment and Facilities	17
05004M Service/Repair Corrosion Control Treatment Equipment and Facilities.....	19
05005 Conduct Water Conservation Program Study.....	21
05006 Design/Construct Water Conservation Equipment and Facilities	23
05006M Service/Repair Water Conservation Equipment and Facilities.....	26
05007 Perform Water Quality Improvement Study	28
05008 Design/Construct Water Quality Improvements	31
05008M Service/Repair Water Quality Improvement Equipment and Facilities	34
05009 Perform Hydraulic Analysis of Water Distribution System	36
05009M Update Hydraulic Analysis of Water Distribution System	39
05010 Design/Construct Hydraulic Improvements to the Water Distribution System	42
05010M Service/Repair Hydraulic Improvements to the Water Distribution System	45
05011 Perform Wellhead and Source Water Protection Assessment.....	47
05012 Design/Construct Wellhead and Source Water Protection Equipment and Facilities	50
05012M Service/Repair Wellhead and Source Water Protection Equipment and Facilities	52
05014 Perform Sanitary Survey of Potable Water System	54
05016 Develop Operation and Maintenance (O&M) Program/ Manual	57
05016M Update Operation and Maintenance (O&M) Program/ Manual.....	60
05017 Recurring Monitoring Costs	63
05018 Develop and Manage Underground Injection Control Program	65

Table of Contents
Safe Drinking Water Act (SDWA) Requirements
(Continued)

<u>05018M</u>	<u>Service/Repair Underground Injection Control Equipment and Facilities</u>	68
<u>05020</u>	<u>Closure of Wells</u>	70
<u>05021M</u>	<u>Service/Repair and Recertification of Cross-Connection Equipment and Facilities</u>	72
<u>05022</u>	<u>Develop and Manage Source Water Protection Program/Conduct</u> <u>Source Water and/or Vulnerability Assessments</u>	75
<u>05023</u>	<u>Disinfectants/Disinfection Byproducts Rule Compliance Study</u>	78
<u>05024</u>	<u>Design/Construct Disinfectants/Disinfection Byproducts</u> <u>Equipment and Facilities Improvement</u>	81
<u>05024M</u>	<u>Service/Repair Disinfectants/Disinfection Byproducts</u> <u>Equipment and Facilities Improvement</u>	84
<u>05025</u>	<u>Prepare and Provide Consumer Confidence Report</u>	86
<u>05940</u>	<u>Training</u>	88
<u>05942</u>	<u>Water Supply, Treatment or Distribution System Operator Training</u>	90
<u>05949</u>	<u>Travel Related to 05940 and 05942</u>	92
<u>05950</u>	<u>Specific State Requirements</u>	94
<u>05960</u>	<u>Specific Local Requirements</u>	96
<u>05970</u>	<u>Specific Overseas Requirements</u>	98
<u>05980</u>	<u>Program Fees</u>	100
<u>05999</u>	<u>Miscellaneous Requirements</u>	102

POM-02 NAVY ENVIRONMENTAL REQUIREMENTS GUIDEBOOK

CHAPTER V: OVERVIEW OF SAFE DRINKING WATER ACT (SDWA) REQUIREMENTS

1. The Safe Drinking Water Act (SDWA) was reauthorized by President Clinton on August 6, 1996. Within the reauthorized SDWA, Congress has taken a hard look at the Environmental Protection Agency (EPA) regulatory process which has historically required lower and lower levels of contaminants. As a part of the new Congressional Mandate, the EPA is no longer required to regulate 25 new contaminants every 3 years. Rather, the EPA has been instructed to focus on health effects and occurrence and has been given the opportunity to decide whether or not regulating a given contaminant provides a meaningful opportunity for public health risk reduction. The EPA and various states continue to promulgate and implement the regulations that were being developed under the previous SDWA Amendments of 1986. These regulations are likely to cause an impact on the compliance cost for Navy shore facilities. Though some regulations may not yet be final, they provide valid indications of ultimate requirements and should be considered appropriately. The latest information available on the internet regarding existing or proposed safe drinking water regulations can be obtained through the following website: <http://www.epa.gov/safewater/standards.html>.

(A)

2. Existing regulations that will continue to affect Naval Shore activities include:

- Lead and Copper Rule: The original regulation established an action level for copper at 1.3 milligrams per liter (1,300 parts per billion) and an action level for lead of 0.15 milligrams per liter (15 parts per billion). Most Navy shore activities have completed the initial monitoring, implemented the appropriate corrosion control treatment strategy and are conducting the long-term follow-up monitoring. Recently there have been concerns amongst several shore activities regarding continual compliance with the lead and copper action levels and the potential negative impacts of other, seemingly unrelated changes in raw water quality, treatment process modifications/variations and the ability to meet the action levels.
- Surface Water Treatment Rule (SWTR): Although this rule has been effective for several years, the microbial control requirements first codified in this rule continue to have an impact on the management, operation and planning for Navy Shore Facilities.
- Total Coliform Rule (TCR): A companion to the SWTR, the TCR specifically targets maintenance of microbial control within the distribution system. Aging infrastructures, including unlined cast iron pipes, excess storage, elevated tanks with little or no turnover, dead-ends, changes in use patterns and, in some cases, persistent biofilms, combine to make long-term compliance an issue at a number of Navy shore activities.
- Information Collection Rule (ICR): The ICR was finalized in May 1996. This rule establishes requirements for monitoring microbial contaminants and disinfection byproducts by large public water systems. This rule is being handled by EPA directly and the effected systems have already been notified. An 18 month study was conducted by EPA under the ICR to gather data and was completed in December 1998. Data from this study will be evaluated to determine requirements to include under the Stage 2 Disinfectants and Disinfection Byproducts (D/DBP) Rule.
- Stage 1 Disinfectants and Disinfection Byproducts (D/DBP) Rule: Stage 1 of the D/DBP Rule was published in the December 16, 1998 Federal Register and became effective on February 16, 1999. The Stage 1 D/DBP Rule applies to all community and nontransient noncommunity

(A)

water systems that treat their water with a chemical disinfectant for either primary or residual treatment. The Stage 1 D/DBP Rule establishes maximum residual disinfectant level goals (MRDLGs) and maximum residual disinfectant levels (MRDLs) for three chemical disinfectants – chlorine, chloramine and chlorine dioxide. It also establishes maximum contaminant level goals (MCLGs) and maximum contaminant levels (MCLs) for total trihalomethanes, haloacetic acids, chlorite and bromate. It also establishes minimum Total Organic Carbon (TOC) removal requirements for water systems that use surface water or ground water under the direct influence of surface water and which use conventional filtration treatment. Surface water systems serving greater than 10,000 people are required to comply with the Stage 1 D/DBP Rule by December 2001. Small surface water systems serving less than 10,000 people must comply with the Stage 1 D/DBP Rule by December 2003.

- **Interim Enhanced Surface Water Treatment Rule (IESWTR):** This interim rule was published in the December 16, 1998 Federal Register and is a companion to the Stage 1 D/DBP Rule. The IESWTR applies to all public water systems that use surface water or ground water under the direct influence of surface water and serve at least 10,000 people. In addition, States are required to conduct sanitary surveys for all such water systems, including those that serve fewer than 10,000 people. The IESWTR amends the existing Surface Water Treatment Rule to strengthen microbial protection, including provisions specifically to address *Cryptosporidium*, and to address risk trade-offs with disinfection byproducts. Applicable water systems (as defined above) that serve 10,000 or more people have three years from Federal promulgation to comply with requirements of this rule, except for disinfection profiling and benchmarking, which require systems to begin sampling after three months. In cases where capital improvements are needed to comply with the rule, States may grant systems up to an additional two years to comply. (A)

3. Proposed regulations which may apply to Navy shore facilities and their drinking water systems include:

- Stage 2 Disinfectants and Disinfection Byproducts (D/DBP) Rule: The final Stage 2 (D/DBP) Rule is scheduled to be published in May 2002. Stage 2 requirements will be determined in part from the results of data collected during an 18 month study performed by EPA under the Information Collection Rule, which was completed in December 1998. No information is currently available regarding proposed requirements. (R)
- Long Term 1 and 2 Enhanced Surface Water Treatment Rule: These rules will further refine and/or expand requirements specified in the Interim Enhanced Surface Water Treatment Rule. Details as to proposed requirements are not yet available. The final Long Term 1 and 2 Rules are expected to be issued in November 2000 and May 2002, respectively. (R)
- Groundwater Rule (GWR): During the past 40 years, one-third to one-half of the waterborne disease outbreaks in this country have been associated with groundwater supplies. As a result, the EPA is developing groundwater disinfection requirements that will include viruses as the target organisms. This rule is currently scheduled for further action after August 1999 with the final GWR scheduled for issuance in November 2000.

- Arsenic: The EPA originally proposed reducing the standard for arsenic in drinking water from 50 micrograms per liter to as low as 2 microgram per liter. The EPA is currently reviewing the health effects data on arsenic and expects to propose a new arsenic rule by January 2000.
- Limits on Radon: As originally proposed, the limit for radon in drinking water was going to be set at 300 picocuries per liter. EPA has withdrawn this proposed rule and is currently conducting a risk assessment and an evaluation of risk reduction alternatives. It is anticipated that a revised rule will be repropose by August 1999 and that the final rule will be published by August 2000.
- Consumer Confidence Reporting: The proposed rule requires that “community water systems” prepare and provide to their customers annual reports on the quality of water. Community water systems are public water systems that serve customers year round. The first report will be required by community water systems 14 months after publication of the final rule, which is mandated to be issued in the Federal Register by August '98. Under this schedule, the first consumer confidence reports will be required in October '99. Each state that has primary enforcement responsibility must adopt the requirements of the 40 CFR Part 141, subpart O, no later than the date 2 years after the date of publication of the final rule in the Federal Register.

(R

4. Generally speaking, the major issues involved in proposed amendment language include the following:
 - A growing focus on microbial control with an emphasis on source water protection, optimization of treatment for microbial removal, providing adequate primary disinfection and microbial control within the distribution system;
 - Finalizing and implementing Stage 1 of the new D/DBP Rule;
 - New methods for setting standards, including some variation on risk assessment and selection by the EPA of which contaminants to regulate;
 - Operator of community and non-transient non-community water systems required to be trained and certified;
 - Financing new water systems, both large and small; and
 - Determining the viability of drinking water programs.
5. It appears likely that amendments, when passed, will modify how standards are set and how contaminants for regulation are identified.

CHAPTER V – SAFE DRINKING WATER ACT

SUB-PROGRAM AREAS

I. Drinking Water Supply

- 05011 Perform Wellhead and Source Water Protection Assessment
- 05012 Design/Construct Wellhead and Source Water Protection Equipment and Facilities
- 05012M Service/Repair Wellhead and Source Water Protection Equipment and Facilities
- 05018 Develop and Manage Underground Injection Control Program
- 05018M Service/Repair Underground Injection Control Equipment and Facilities
- 05020 Closure of Wells
- 05022 Develop and Manage Source Water Protection Program/Conduct Source Water and/or Vulnerability Assessments

II. Drinking Water Treatment

- 05003 Conduct Corrosion Control Treatment Study
- 05004 Design/Construct Corrosion Control Treatment Equipment and Facilities
- 05004M Service/Repair Corrosion Control Treatment Equipment and Facilities
- 05007 Perform Water Quality Improvement Study
- 05008 Design/Construct Water Quality Improvements
- 05008M Service/Repair Water Quality Improvement Equipment and Facilities
- 05023 Disinfectants/Disinfection Byproducts Rule Compliance Study
- 05024 Design/Construct Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement
- 05024M Service/Repair Disinfectants/Disinfection Byproducts . Equipment and Facilities Improvement

III. Drinking Water Storage/Distribution

- 05001 Conduct Cross-Connection/Backflow Prevention Study
- 05002 Design/Construct for Installation of Backflow Preventers
- 05021M Service/Repair and Recertification of Cross-Connection Equipment and Facilities
- 05009 Perform Hydraulic Analysis of Water Distribution System
- 05009M Update Hydraulic Analysis of Water Distribution System
- 05010 Design/Construct Hydraulic Improvements to the Water Distribution System
- 05010M Service/Repair Hydraulic Improvements to the Water Distribution System
- 05014 Perform Sanitary Survey of Potable Water System
- 05016 Develop Operation and Maintenance (O&M) Program/ Manual
- 05016M Update Operation and Maintenance (O&M) Program/ Manual
- 05025 Prepare and Provide Consumer Confidence Report

CHAPTER V – SAFE DRINKING WATER ACT
SUB-PROGRAM AREAS

IV. Water Conservation

- 05005 Conduct Water Conservation Program Study
- 05006 Design/Construct Water Conservation Equipment and Facilities
- 05006M Service/Repair Water Conservation Equipment and Facilities

V. Common Requirements

- 05017 Recurring Monitoring Costs
- 05940 Training
- 05942 Water Supply, Treatment or Distribution System Operator Training
- 05980 Program Fees

VI. Miscellaneous

- 05949 Travel Related to 05940 and 05942
- 05950 Specific State Requirements
- 05960 Specific Local Requirements
- 05970 Specific Overseas Requirements
- 05999 Miscellaneous Requirements

CHAPTER V – SAFE DRINKING WATER ACT

ROUTINE AND RECURRING GUIDEBOOK REQUIREMENTS

- 05014 Perform Sanitary Survey of Potable Water System
- 05017 Recurring Monitoring Costs
- 05025 Prepare and Provide Consumer Confidence Report
- 05940 Training
- 05942 Water Supply, Treatment or Distribution System Operator Training

The following projects can be recurring depending on frequency or activity or other considerations.

- 05005 Conduct Water Conservation Program Study
- 05006 Design/Construct Water Conservation Equipment and Facilities
- 05007 Perform Water Quality Improvement Study
- 05008 Design/Construct Water Quality Improvements
- 05009 Perform Hydraulic Analysis of Water Distribution System
- 05011 Perform Wellhead and Source Water Protection Assessment
- 05012 Design/Construct Wellhead and Source Water Protection Equipment and Facilities
- 05016 Develop Operation and Maintenance (O&M) Control Program/Manual
- 05018 Develop and Manage Underground Injection Control Program
- 05022 Develop and Manage Source Water Protection Program/Conduct Source Water
and/or Vulnerability Assessments
- 05024 Design/Construct Disinfectants/Disinfection Byproducts Equipment and
Facilities Improvement
- 05950 State Specific Requirements
- 05960 Specific Local Requirements
- 05970 Specific Overseas Requirements
- 05980 Program Fees
- 05999 Miscellaneous Requirements

The following projects are maintenance activities which could also be routine and recurring. [These projects are indicated by the acronym RPM (Real Property Maintenance). These projects will be assessed but will be provided to N44 for funding.]

- 05004M Service/Repair Corrosion Control Treatment Equipment and Facilities
- 05006M Service/Repair Water Conservation Equipment and Facilities
- 05008M Service/Repair Water Quality Improvement Equipment and Facilities
- 05009M Update Hydraulic Analysis of Water Distribution System
- 05010M Service/Repair Hydraulic Improvements to the Water Distribution System
- 05012M Service/Repair Wellhead and Source Water Protection Equipment and Facilities
- 05016M Update Operation and Maintenance (O&M) Program/ Manual
- 05018M Service/Repair Underground Injection Control Equipment and Facilities
- 05021M Service/Repair and Recertification of Cross-Connection Control Equipment and Facilities
- 05024M Service/Repair Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement

Guidebook #: 05001

Project Name: Conduct Cross-Connection/Backflow Prevention Study

Requirement: Regulations require elimination of and/or protection against cross-connections within public water systems. This Guidebook Item provides an initial survey of the activities external water distribution system and internal building plumbing to identify cross-connection deficiencies and recommend corrections. The survey shall be accomplished by personnel certified in cross-connection control and may be a one-time concentrated basewide effort or phased by building(s) over a period of time. Cross-connection control is necessary to prevent possible backflow/backsiphonage of contaminated water into the potable water system, thus helping to ensure continued compliance with National Primary and Secondary Drinking Water Regulations. Specific requirements are identified in State and/or local drinking water regulations and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Conduct Cross-Connection/Backflow Prevention Study (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04/09B/07 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05001 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05001 (Continued)
Project Name:	Conduct Cross-Connection/Backflow Prevention Study
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the number of buildings to be surveyed broken down by industrial and administrative, also include the number of waterfront locations (e.g. piers, drydocks, etc.). Also describe the method by which the initial study will be accomplished (i.e. one-time concentrated basewide effort vs. individual buildings spread out over a period of performance, etc.).</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	Upon completion of the initial CCC survey accomplished under this Guidebook Item and the design/installation/certification of backflow preventers to prevent possible backflow/backsiphonage (refer to Guidebook Item <u>05002</u>) are initial requirements necessary to bring potable water systems up to regulatory standards. Any follow-up reinspection of the water system, buildings etc. to locate additional cross-connections is considered maintenance of the cross-connection control program and is to be accomplished under Guidebook Item <u>05021M</u> .
Effective Date:	Current

Guidebook #:

05001 (Continued)

Project Name:

Conduct Cross-Connection/Backflow Prevention Study

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System less than \$50,000
(less than 3,300 people):

Medium Water System \$50,000 to \$150,000
(3,300 to 10,000 people):

Large Water System \$150,000+
(more than 10,000 people):

Guidebook #:	05002
Project Name:	Design/Construct for Installation of Backflow Preventers
Requirement:	Regulations require elimination of and/or protection against cross-connections within potable water distribution systems. This Guidebook Item provides an initial one-time design/construction effort to install backflow preventers (BFPs) based on recommendations derived from the initial one-time study performed under Guidebook Item <u>05001</u> . This Guidebook Item also provides for certification testing of installed BFPs, reinstallation/recertification, etc. until initial verification is obtained that they are installed and operating properly. This Guidebook Item only applies to existing buildings/facilities and existing water uses. See “Other Comments” for information pertaining to newly constructed buildings/facilities and new water uses. Cross-connection control is necessary to prevent possible backflow/back-siphonage of contaminated water into the potable water system, thus helping to ensure continued compliance with National Primary and Secondary Drinking Water Regulations. Specific requirements are identified in State and/or local drinking water regulations and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name:	Design/Construct for Installation of Backflow Preventers (field must be entered by user)
Law/Regulatory Area:	SDWA (pick field from EPR)
Environmental Category:	PDWS (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP(pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05002 (field must be entered by user)
PPI#:	15 (field must be entered by user, see <u>Appendix E</u> of the Guidebook)
Progress Code:	1 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Guidebook #:	05002 (Continued)
Project Name:	Design/Construct for Installation of Backflow Preventers
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: See Guidebook Item <u>05001</u>. If design/construction is to be accomplished under contract, provide project number or estimated date project will be awarded; provide the number of buildings affected broken down by administrative and industrial; estimate the number of BFPs to be installed if not known.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR, or MCN(pick field from EPR)

Other Comments:	<p>This Item does not include recurring requirements for maintaining a cross-connection control program. Upon completion of installation/certification of BFPs covered under this Guidebook Item, any follow-up inspection and certification testing of these BFPs or design/construction to install additional BFPs based on routine follow-up reinspection of buildings is considered maintenance of the cross-connection control program and is to be accomplished under Guidebook Item <u>05021M</u>. BFPs to be installed/certified in new buildings/facilities or for new water uses are to be funded under the applicable construction project for the new building/facility or water use. If not funded under the construction project, follow-up installation of the BFPs (which should have been covered under the construction project) is considered maintenance of the cross-connection program and is to be funded under Guidebook Item <u>05021M</u>.</p>
------------------------	--

Guidebook #: 05002 (Continued)
Project Name: Design/Construct for Installation of Backflow Preventers

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System (less than 3,300 people):	less than \$300,000
Medium Water System (3,300 to 10,000 people):	\$300,000 to \$1.5 M
Large Water System (more than 10,000 people):	\$1.5 M +

Design costs are typically 10% to 15% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 05003

Project Name: Conduct Corrosion Control Treatment Study

Requirement: A corrosion control treatment study is required if lead and copper action levels are exceeded, in accordance with the 90th percentile rule (applies to public water systems supplying their own water or performing treatment on finished water). National Primary Drinking Water Regulations (NPDWR) 40 CFR 141.80-91; State and/or local drinking water regulations. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Conduct Corrosion Control Treatment Study (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PBDW (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05003 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 12,3, or 4 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 05003 (Continued)

Project Name: Conduct Corrosion Control Treatment Study

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Justification Information: Provide the dates(s) the Lead and Copper Rule Study was completed and the lead or copper result at the 90th percentile. If the state or EPA has taken action, provide date and NOV or docket number relative to action taken.

Funding: Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR) .)

Other Comments: Study includes a source water analysis of at least 6 parameters cited in 40 CFR 141.80-91 (comparison of treatment alternatives) and may also include a material survey of the water system. Selected treatment alternative will be implemented under Guidebook Item 05004.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System \$10,000 to \$40,000
(less than 3,300 people):

Medium Water System \$40,000 to \$150,000
(3,300 to 10,000 people):

Large Water System \$150,000+
(more than 10,000 people):

Add 20% to above figures if a material survey is included, more if excavation is required.

Guidebook #: 05004

Project Name: Design/Construct Corrosion Control Treatment Equipment and Facilities

Requirement: Water suppliers exceeding lead/copper action levels are required to use corrosion control treatment techniques. These may include source water treatment, addition of corrosion inhibitors, equipment upgrades, or other methods based on the results of a treatment study. National Primary Drinking Water Regulations (NPDWR), 40 CFR 141.80-91, and State and local requirements. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Design/Construct Corrosion Control Treatment Equipment and Facilities(field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PBDW (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04/09B/07 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05004 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	05004 (Continued)
Project Name:	Design/Construct Corrosion Control Treatment Equipment and Facilities
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: See Guidebook Item <u>05003</u>. If applicable, provide information on whether the purveyor failed and what design/construction efforts are underway by the purveyor (this applies only to consecutive systems). If the Navy system is the primary system, provide the project number or the estimated date the project will be awarded; include information on the type of system modifications to be implemented and volume of water in MGD to be affected.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR, or MCN (pick field from EPR)
<hr/>	
Other Comments:	<p>Some treatment techniques, such as chemical addition, will require additional monitoring. Refer to Guidebook Item <u>05017</u>.</p> <p>P2 Alternatives: Facilities should consider cost effective pollution prevention alternatives in lieu of corrosion control treatment processes where possible. Options may include use of alternative plumbing materials, etc. Additional information on these and other P2 alternatives can be obtained by visiting the P2 Library (http://enviro.nfesc.navy.mil/p2library).</p>
Effective Date:	Current
Cost Guidance:	Note: The following figures are for general guidance only. As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.

Guidebook #: 05004 (Continued)

Project Name: Design/Construct Corrosion Control Treatment Equipment and Facilities

Cost Guidance (Continued):

Small Water System (less than 3,300 people):	\$50,000 to \$150,000
Medium Water System (3,300 to 10,000 people):	\$150,000 to \$400,000
Large Water System (more than 10,000 people):	\$400,000+

Costs will vary widely based on treatment techniques selected.

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 05004M

Project Name: Service/Repair Corrosion Control Treatment Equipment and Facilities

Requirement: Once installed and in use, corrosion control treatment equipment and facilities may require periodic maintenance and/or repair. Like Items 05003 and 05004 this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and bugeted in the RPM program.

EPR Data Entries

Project Name: Service/Repair Corrosion Control Treatment Equipment and Facilities (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PBDW (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04/09B/07 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05004M (field must be entered by user)

PPI#: N/A (since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #: 05004M (Continued)

Project Name: Service/Repair Corrosion Control Treatment Equipment and Facilities

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
Justification Information: See Guidebook Items 05003 and 05004.
Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (pick field from EPR)

Other Comments: None.

Effective Date: Current

Cost Guidance: As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facilities maintenance department or division for cost information.

Guidebook #: 05005

Project Name: Conduct Water Conservation Program Study

Requirement: Regulations require development and implementation of water conservation programs. All activities must evaluate feasibility techniques for reducing water use. Federal and State Safe Drinking Water Acts, Energy Conservation Act, local regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Conduct Water Conservation Program Study (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: POLP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: PVN (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05005 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: A01 (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 05005 (Continued)

Project Name: Conduct Water Conservation Program Study

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Justification Information: Provide information regarding state and/or local water conservation requirements (include citation of applicable regulation, ordinance, etc.). State whether state or local requirements require water conservation programs. In addition provide information regarding the size of the facility including the number of buildings and the amount of industrial activity; list any industrial processes that require more than 25,000 gal/day. Provide information on the number of water main/service lines leaks and breaks each year.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (Pick field from EPR)

Other Comments: This will be a higher priority for industrial users or activities located where water resources are limited. Refer to Guidebook Item 05006.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System \$10,000 to \$50,000
(less than 3,300 people):

Medium Water System \$50,000 to \$150,000
(3,300 to 10,000 people):

Large Water System \$150,000+
(more than 10,000 people):

Costs shown include flow metering, but do not include a leak detection survey. If including a leak detection survey, double the cost.

Guidebook #: 05006

Project Name: Design/Construct Water Conservation Equipment and Facilities

Requirement: Regulations require installation of water conservation equipment and facilities based on study recommendations. Requested items may include industrial equipment or process changes, leak repairs, flow metering, and/or low flow devices (if MILCON is a possible fund source, give a specific example of a MILCON scope project). Applies to all activities. Refer to Guidebook Item 05005. Federal and State Safe Drinking Water Acts and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Design/Construct Water Conservation Equipment and Facilities (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: POLP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: PVN (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05006 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1,2,3, or 4 (pick field from EPR)

P2 Category: E01 (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 05006 (Continued)

Project Name: Design/Construct Water Conservation Equipment and Facilities

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Justification Information: See Guidebook Item 05005. Provide project number or the estimated date project will be awarded; provide the number of buildings affected broken down by administrative and industrial and any industrial processes that require more than 25,000 gal/day. Include brief summary of any cost/benefit data that may have been collected.

Funding: Display funding in the appropriate fiscal year(s) consistent with “just in time” funding policy. Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (Pick field from EPR.)

Other Comments: Design of new facility should incorporate Water Conservation Program Standards. Initial design/installation of water conservation techniques basewide or at a specific source (e.g. low flush toilets, leak repairs, etc) is funded via O&MN.

P2 Alternatives: Facilities should consider cost effective pollution prevention alternatives in new facility designs when possible. For, example, closed loop systems for capture and reuse of process water in industrial operations may be feasible. Additional information on these and other P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>) or specifically the Recycling Wash Water Using Closed Loop Wash Racks (<http://enviro.nfesc.navy.mil/p2library/section9.html>) Datasheet of the Joint Services Pollution Prevention Opportunity Handbook for technical and cost information on wash water recycling systems.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Guidebook #: 05006 (Continued)

Project Name: Design/Construct Water Conservation Equipment and Facilities

Cost Guidance (Continued): Small Water System \$50,000 to \$200,000
(less than 3,300 people):

Medium Water System \$200,000 to \$1.0 M
(3,300 to 10,000 people):

Large Water System \$1.0 M +
(more than 10,000 people):

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 05006M

Project Name: Service/Repair Water Conservation Equipment and Facilities

Requirement: Once installed and in use, water conservation equipment and facilities may require periodic maintenance and/or repair. Like Items 05005 and 05006 this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and budgeted in the RPM/OBOS programs as appropriate.

EPR Data Entries

Project Name: Service/Repair Water Conservation Equipment and Facilities (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: POLP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: PVN (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05006M (field must be entered by user)

PPI#: N/A(since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: E01 (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #: 05006M (Continued)

Project Name: Service/Repair Water Conservation Equipment and Facilities

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Justification Information: See Guidebook Item 05005 and 05006. Provide the number of buildings affected broken down by administrative and industrial and any industrial processes that require more than 25,000 gal/day. Include a brief summary of any labor and material costs for the operation and maintenance of the installed water conservation techniques.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: RPMD (Pick field from EPR.)

Other Comments:

Effective Date: Current

Cost Guidance: As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Consult your facilities maintenance division or department for cost information.

Guidebook #: 05007

Project Name: Perform Water Quality Improvement Study

Requirement: Regulations and Navy Policy require potable water systems to perform monitoring of drinking water systems and supplies to ensure water quality. Specific regulatory monitoring for physical parameters, inorganics, organics, and microbiological contaminants may be required. Studies may be needed to determine the best means of correcting problem areas, to comply with National Primary and Secondary Drinking Water Regulations, OPNAVINST 5090.1B, and state and/or local drinking water regulations, and to improve the aesthetic qualities (taste, color, odor, etc.) of drinking water. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Perform Water Quality Improvement Study (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05007 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05007 (Continued)
Project Name:	Perform Water Quality Improvement Study
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the amount of water consumed in MGD; also provide the number of connections in the system. Indicate if previous water quality improvement studies have ever been done, if yes, include date and brief summary of major findings. Indicate whether a cross-connection control program is in place. Provide the number of industrial buildings affected and any major industrial activities affected.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	<p>This Guidebook Item covers a broad base of projects which could be done in response to recurring NOV's or complaints, to meet new requirements, or to correct problems which are site-specific but do not cause the overall system to fall out of compliance (e.g., a portion of a system which runs high in lead content, but not high enough to break the 90th percentile rule).</p> <p>Studies could include evaluation of source water alternatives, adequacy of the distribution system, storage or equipment upgrades, treatment alternatives, pollution prevention alternatives, etc. as applicable.</p> <p>Refer to Guidebook Item <u>05008</u> for follow-on projects, and Guidebook Item <u>05003</u>.</p>
Effective Date:	Current

Guidebook #:

05007 (Continued)

Project Name:

Perform Water Quality Improvement Study

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System \$10,000 to \$50,000
(less than 3,300 people):

Medium Water System \$50,000 to \$100,000
(3,300 to 10,000 people):

Large Water System \$100,000+
(more than 10,000 people):

Costs will vary greatly depending upon the extent and focus of the study. Figures reflect general historical data.

Double the above cost guidance if a pilot study is required.

Guidebook #: 05008

Project Name: Design/Construct Water Quality Improvements

Requirement: When water quality improvement studies indicate water quality has been impaired, then treatment plant upgrades, distribution system reconfiguration, etc., must be designed and installed. National Primary and Secondary Drinking Water Regulations, State and/or local drinking water regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Design/Construct Water Quality Improvements (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05008 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 05008 (Continued)

Project Name: Design/Construct Water Quality Improvements

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Justification Information: See Guidebook Item 05007. Provide project number or the estimated date project will be awarded; provide the number of buildings affected broken down by administrative and industrial. Include any possible treatment to be implemented or modified.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR, or MCN (Pick field from EPR)

Other Comments: Scale of improvements is widespread, varying from simple process control modifications to new, major work. Refer to Water Quality Improvement Study (Guidebook Item 05007).

Initial design/installation of water quality improvements basewide or at a specific source to satisfy a water quality parameter is funded via O&MN or MCN for new construction. Follow-up service/repair for any installed improvements is funded via RPMD. Refer to Guidebook Item 05008M.

P2 Alternatives: Facilities should consider cost effective pollution prevention techniques when implementing water quality improvement projects.

Additional information on P2 alternatives can be obtained by visiting the **P2 Library** (<http://enviro.nfesc.navy.mil/p2library>) or specifically the Wastewater section (<http://enviro.nfesc.navy.mil/p2library/section9.html>) of the Joint Services Pollution Prevention Opportunity Handbook for available water treatment technologies and cost information.

Effective Date: Current

Guidebook #:

05008 (Continued)

Project Name:

Design/Construct Water Quality Improvements

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System less than \$500,000
(less than 3,300 people):

Medium Water System \$500,000 to \$5.0 M
(3,300 to 10,000 people):

Large Water System \$5.0 M +
(more than 10,000 people):

Costs reflect major improvements to the treatment processes, and will vary greatly depending on purpose and extent.

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 05008M

Project Name: Service/Repair Water Quality Improvement Equipment and Facilities

Requirement: Once installed and in use, water quality improvements may require periodic maintenance and/or repair. Like Items 05007 and 05008 this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and bugeted in the RPM program.

EPR Data Entries

Project Name: Service/Repair Water Quality Improvement Equipment and Facilities
(field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05008M (field must be entered by user)

PPI#: N/A (since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #:	05008M (Continued)
Project Name:	Service/Repair Water Quality Improvement Equipment and Facilities
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: See Guidebook Items <u>05007</u> and <u>05008</u>. Provide the number of buildings affected broken down by administrative and industrial. Include maintaining additional treatments that have been implemented or modified.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	RPMD (Pick field from EPR
<hr/>	
Other Comments:	<p>Refer to Water Quality Improvement Study (Guidebook Items <u>05007</u> and <u>05008</u>).</p> <p>Initial design/installation of water quality improvements basewide or at a specific source to satisfy a water quality parameter is funded via O&MN or MCN for new construction. Follow-up service/repair for any installed improvements is funded via RPMD.</p>
Effective Date:	Current
Cost Guidance:	<p>As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>Consult your facilities maintenance department or division for cost information.</p>

Guidebook #: 05009

Project Name: Perform Hydraulic Analysis of Water Distribution Systems

Requirement: Regulations require a minimum of 20 pounds per square inch (psi) available pressure throughout the entire water distribution systems at all times. Available pressures within distribution systems should also be adequate to satisfy minimum pressure requirements for proper activation of fire sprinkler systems. This Guidebook Item provides a basewide evaluation of hydraulic capabilities of water distribution systems using software such as Kentucky Pipe, Cyber Net, EPA Net, H2O Net, or equivalent. Applicable regulations include State and local drinking water regulations, and MILHDBK 1005/7. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Perform Hydraulic Analysis of Water Distribution Systems (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05009 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05009 (Continued)
Project Name:	Perform Hydraulic Analysis of Water Distribution System
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Indicate if the system is a primary or consecutive system and whether it operates under a State/EPA permit (include permit number). Provide citation of regulations that apply, include local ordinances, if any. Provide the water produced/consumed in MGD, and the last time an hydraulic analysis was performed. Provide a general idea of system size by providing size of facility in square miles and amount of piping (linear ft or miles) in the system.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	<p>Detailed, accurate water distribution system maps and applicable software for establishing hydraulic analysis information should be obtained under the study effort if not already available. A hydraulic analysis is necessary for each public water system, regardless of whether the water system supplies or purchases its water. A hydraulic analysis must be performed or updated to account for backflow prevention devices studied/installed, particularly for fire sprinkler systems. A leak detection survey should also be performed prior to the hydraulic analysis. The leak detection survey may be included under a water conservation study. Some states may require a minimum pressure higher than 20 psi during fire flow conditions. Normal operating pressure should be a minimum of 35 psi. Activities must provide specific State and/or local requirements. Refer to Guidebook Items, <u>05001</u>, <u>05002</u>, <u>05005</u>, and <u>05010</u>.</p> <p>Initial accomplishment of the hydraulic analysis is funded via O&MN.</p>
------------------------	---

Guidebook #:	05009 (Continued)
Project Name:	Perform Hydraulic Analysis of Water Distribution System
Effective Date:	Current
Cost Guidance:	<p>Note: The following figures are for general guidance only. As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>Small Water System\$10,000 to \$40,000 (less than 3,300 people):</p> <p>Medium Water System \$40,000 to \$100,000 (3,300 to 10,000 people):</p> <p>Large Water System \$100,000 to \$200,000+ (more than 10,000 people):</p> <p>Costs shown do not reflect a leak detection survey, refer to Guidebook Item <u>05005</u>.</p>

Guidebook #:	05009M
Project Name:	Update Hydraulic Analysis of Water Distribution System
Requirement:	A water distribution system hydraulic analysis may require periodic updating. Regulations require a minimum of 20 pounds per square inch (psi) available pressure throughout the entire water distribution system at all times. Available pressure within distribution systems should also be adequate to satisfy minimum pressure requirements for proper activation of fire sprinkler systems. This Guidebook Item provides for an update evaluation of water distribution system hydraulic capability using software such as Kentucky Pipe, Cyber Net, EPA Net, H2O Net, or equivalent. Applicable regulations include State and local drinking water regulations, and MILHDBK 1005/7. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name:	Update Hydraulic Analysis of Water Distribution System (field must be entered by user)
Law/Regulatory Area:	SDWA (pick field from EPR)
Environmental Category:	PDWS (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP (pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05009M (field must be entered by user)
PPI#:	N/A (since this is not an environmental requirement, no PPI input required)
Progress Code:	9 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1(pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05009M (Continued)
Project Name:	Update Hydraulic Analysis of Water Distribution System
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Indicate if the system is a primary or consecutive system and whether it operates under a State/EPA permit (include permit number). Provide citation of regulations that apply, include local ordinances, if any. Provide the water produced/consumed in MGD, and the last time an hydraulic analysis was performed. Provide a general idea of system size by providing size of facility in square miles and amount of piping (linear ft or miles) in the system.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	RPMD (pick field from EPR)

Other Comments:	<p>A hydraulic analysis is necessary for each public water system, regardless of whether the water system supplies or purchases its water. A hydraulic analysis must be performed or updated to account for backflow prevention devices studied/installed, particularly for fire sprinkler systems. A leak detection survey should also be performed prior to the hydraulic analysis. The leak detection survey may be included under a water conservation study. Some states may require a minimum pressure higher than 20 psi during fire flow conditions. Normal operating pressure should be a minimum of 35 psi. Activities must provide specific State and/or local requirements. Refer to Guidebook Items, <u>05001</u>, <u>05002</u>, <u>05005</u>, and <u>05010</u>.</p> <p>Initial accomplishment of the hydraulic analysis is funded via O&MN.</p>
------------------------	---

Guidebook #: 05009M (Continued)
Project Name: Update Hydraulic Analysis of Water Distribution System

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Annual update costs should be calculated as 20% of the original hydraulic analysis costs.

Original Hydraulic Analysis

Small Water System \$10,000 to \$40,000
(less than 3,300 people):

Medium Water System \$40,000 to \$100,000
(3,300 to 10,000 people):

Large Water System \$100,000 to \$200,000+
(more than 10,000 people):

Costs shown do not reflect a leak detection survey, refer to Guidebook Item 05005.

Guidebook #: 05010

Project Name: Design/Construct Hydraulic Improvements to the Water Distribution System

Requirement: Regulations require a minimum of 20 pounds per square inch (psi) available pressure throughout the entire distribution system at all times. Available pressures within the distribution system should also be adequate to satisfy minimum pressure requirements for proper activation of fire sprinkler systems. This Guidebook Item provides improvements to the water distribution system recommended in Guidebook Item 05009. Applicable regulations include State and local drinking water regulations, and MIL-HDBK 1005/7. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Design/Construct Hydraulic Improvements to the Water Distribution System(field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05010 (field must be entered by user)

PPI#: 15 (field must be entered by user, see Appendix E of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05010 (Continued)
Project Name:	Design/Construct Hydraulic Improvements to the Water Distribution System
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: See Guidebook Item <u>05009</u>. Provide the project number or the estimated date the project will be awarded; provide the amount of piping (in linear ft. or miles) to be affected. Indicate the type of improvements to be made (e.g. potable water line replacement or repair and indicate the type of repair, booster pumps, storage tank installation/removal, etc.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR, or MCN (Pick field from EPR)
<hr/>	
Other Comments:	Initial design/installation of hydraulic improvements (e.g. leak repairs, storage tanks, valves, hydrants, etc) is funded via O&MN or MCN. Follow-up service/repair for any installed improvements is funded via RPMD.
Effective Date:	Current
Cost Guidance:	Note: The following figures are for general guidance only. As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.

Guidebook #:

05010 (Continued)

Project Name:

Design/Construct Hydraulic Improvements to the Water Distribution System

Small Water System \$50,000 to \$200,000
(less than 3,300 people):

Medium Water System \$200,000 to \$1.0 M
(3,300 to 10,000 people):

Large Water System \$1.0 M+
(more than 10,000 people):

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.

Guidebook #: 05010M

Project Name: Service/Repair Hydraulic Improvements to the Water Distribution System

Requirement: Once installed and in use, hydraulic improvements may require periodic maintenance and/or repair. Like Items 05009 and 05010 this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and bugeted in the RPM program.

EPR Data Entries

Project Name: Service/Repair Hydraulic Improvements to the Water Distribution System (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05010M (field must be entered by user)

PPI#: N/A (since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #:	05010M (Continued)
Project Name:	Service/Repair Hydraulic Improvements to the Water Distribution System
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: See Guidebook Items <u>05009</u> and <u>05010</u>. Provide the amount of piping (in linear ft. or miles) to be affected. Indicate the type of improvements to be maintained (e.g. potable water line replacement or repair and indicate the type of improvements; booster pumps, storage tank installation/removal, etc.</p>
Funding:	<p>(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u>. To estimate required funding use local information available or consult your EFD/EFA.)</p>
Fund Code:	RPMD (Pick field from EPR)

Other Comments:	Initial design/installation of hydraulic improvements (e.g. leak repairs, storage tanks, valves, hydrants, etc) is funded via O&MN or MCN. Follow-up service/repair for any installed improvements is funded via RPMD.
Effective Date:	Current
Cost Guidance:	<p>As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>Consult your facilities maintenance division or department for cost information.</p>

Guidebook #:	05011
Project Name:	Perform Wellhead and Source Water Protection Assessment
Requirement:	Federal and State regulations require delineation of wellhead and source water protection areas, identification of potential sources of contamination, development of strategies to manage contaminant sources, identification of alternate water supplies, and appropriate placement and construction of wells and surface water intakes. Applies to activities that own/operate drinking water wells and surface water sources. Safe Drinking Water Act, State drinking water regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name:	Perform Wellhead and Source Water Protection Assessment (field must be entered by user)
Law/Regulatory Area:	SDWA (pick field from EPR)
Environmental Category:	WLHP (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP (pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05011 (field must be entered by user)
PPI#:	15 (field must be entered by user, see Appendix E of the Guidebook)
Progress Code:	1 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05011 (Continued)
Project Name:	Perform Wellhead and Source Water Protection Assessment
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Include State/EPA permit number or State/EPA regulatory citation requiring study or assessment. Indicate if Navy facility is served by wells <u>or by a surface water source</u> or if the facility falls within a protected aquifer area. Include the number of wells to be assessed or the total source water protection area as applicable.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	EPA defines source water protection areas for groundwater based systems as synonymous with “Wellhead Protection Area”. Source water assessment programs include both groundwater and surface water sources. The majority of states have EPA approved Well Head Protection Programs (WHPPs). Related studies for surface water protection may be found in Guidebook Item <u>05022</u> .
------------------------	--

Guidebook #: 05011 (Continued)

Project Name: Perform Wellhead and Source Water Protection Assessment

Other Comments (Continued): Wellhead/Source Water Protection Studies require the evaluation of hydrologic flow patterns, sources of contamination, and other factors which may affect surface and underground water sources. The studies include information needed to develop vulnerability assessments. Vulnerability assessments evaluate contaminants of concern that may have been used in a source water protection area and assesses the potential for contamination of the water supply. Within the 50 States and U.S. territories, vulnerability assessments are primarily used to obtain waivers from monitoring for contaminants that are not present in the source water protection area. Significant monitoring cost savings may be realized by obtaining a waiver. For all Navy activities that own/operate drinking water wells, vulnerability assessments are required. Vulnerability assessments alone may be performed under this Guidebook Item and may later be incorporated into well head protection studies. If injection wells are present, refer to Guidebook Item 05018 for additional information.

Effective Date: Current and future State requirements.

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System less than \$50,000
(less than 3,300 people):

Medium Water System \$50,000 to \$200,000
(3,300 to 10,000 people):

Large Water System \$200,000+
(more than 10,000 people):

Costs may vary depending on well size, well clustering, size of the wells zone of influence, land use, etc. Annual costs for maintaining wellhead protection programs can be estimated at 15% of the above costs for developing the program.

Guidebook #: 05012

Project Name: Design/Construct Wellhead and Source Water Protection Equipment and Facilities

Requirement: Implement actions recommended in Guidebook Items 05011 and 05022. Possible actions include relocation of wells, elimination of a sanitary defect at the wellhead or surface water source, removal of sources of contamination, or implementing strategies to manage contaminant sources. Safe Drinking Water Act § 1428, 40 CFR 141.63, State drinking water regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Design/Construct Wellhead and Source Water Protection Equipment and Facilities (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: WLHP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP(pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05012 (field must be entered by user)

PPI#: 15 (field must be entered by user, see Appendix E of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #:	05012 (Continued)
Project Name:	Design/Construct Wellhead and Source Water Protection Equipment and Facilities
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification: See Guidebook Item <u>05011</u>. Provide the project number or the estimated date the project will be awarded. Provide the number of wells or other water sources to be affected as applicable. Provide an indication of the types of improvements to be made, e.g., repair/replacement, installation of contaminant containment systems, etc.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR ,or MCN (Pick field from EPR
Other Comments:	<p>Actions to correct certain contaminant sources, such as USTs, are funded under other programs. Closure of abandoned wells may be included in this Item.</p> <p>Initial design/installation of improvements is funded via O&MN or MCN. Follow-up action to maintain the wellhead or source water protection control program is funded via RPMD. Refer to Guidebook Item <u>05012M</u>.</p>
Effective Date:	Current and future State requirements
Cost Guidance:	<p>Note: The following figures are for general guidance only. As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>\$250,000 to \$2,000,000 depending on number of affected wells or other water sources.</p> <p>Design costs are typically 10% of construction costs and must be programmed in addition to construction costs shown.</p>

Guidebook #: 05012M

Project Name: Service/Repair Wellhead and Source Water Protection Equipment and Facilities

Requirement: Once installed and in use, wellhead and source water protection equipment and facilities may require periodic maintenance and/or repair. Like Items 05011 and 05012 this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and bugeted in the RPM program.

EPR Data Entries

Project Name: Service/Repair Wellhead and Source Water Protection Equipment and Facilities (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: WLHP (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP(pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05012M (field must be entered by user)

PPI#: N/A (Since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #:	05012M (Continued)
Project Name:	Service/Repair Wellhead and /Source Water Protection Equipment and Facilities
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification: See Guidebook Items <u>05011</u> and <u>05012</u>. Provide the number of wells or other water sources to be affected. Provide an indication of the types of improvements to be maintained, e.g., repair/replacement, installation of contaminant containment systems, etc.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	RPMD (pick field from EPR)
Other Comments:	Initial design/installation of improvements is funded via O&MN or MCN. Refer to Guidebook Item <u>05012</u> . Follow-up action to maintain the wellhead and source water protection program is funded using this Guidebook Item via RPMD.
Effective Date:	Current and future State requirements
Cost Guidance:	<p>As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>Consult your facilities maintenance division or department for cost information.</p>

Guidebook #: 05014

Project Name: Perform Sanitary Survey of Potable Water System

Requirement: Surveys are to be made of all supply, treatment, storage, and distribution facilities (including operation and maintenance procedures) associated with a public water system for the purpose of evaluating their adequacy for producing and distributing safe drinking water.

Thereafter, surveys are to be done as required by applicable regulations or as warranted. National Primary and Secondary Drinking Water Regulations, 40 CFR 141.21(d), State drinking water regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Perform Sanitary Survey of Potable Water System (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05014 (field must be entered by user)

PPI#: 15 FOR INITIAL SURVEY, 6 FOR UPDATES (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 FOR INITIAL SURVEY, 9 FOR UPDATES (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05014 (Continued)
Project Name:	Perform Sanitary Survey of Potable Water System
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide applicable State/EPA permit numbers and citation of appropriate State/EPA regulations. Indicate whether the system is a primary or consecutive system, the system size and size of the facility in square miles. Provide the water produced and/or consumed in MGD. Indicate the number of buildings on the facility broken down by administrative and industrial. Indicate if the facility is located in an urbanized, rural, suburban or remote location.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
Other Comments:	The regulation requires that sanitary surveys be performed for public water systems which do not collect five or more routine coliform samples per month. Information on sources of contamination within the wellhead protection area obtained in Guidebook Item <u>05011</u> should be used if the information was collected after the last sanitary survey. Projects to correct deficiencies identified by the survey could be programmed under Guidebook Item <u>05008</u> .
Effective Date:	Current

Guidebook #:

05014 (Continued)

Project Name:

Perform Sanitary Survey of Potable Water System

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System less than \$25,000
(less than 3,300 people):

Medium Water System \$25,000 to \$50,000
(3,300 to 10,000 people):

Large Water System \$50,000+
(more than 10,000 people):

If the sanitary survey is accomplished by in-house personnel, the cost should be approximately 10% of the above. There will be little or no cost if the sanitary survey is performed by the State.

Guidebook #: 05016

Project Name: Develop Operation and Maintenance (O&M) Program/Manual

Requirement: Development of an Operation and Maintenance (O&M) Program/Manual is required for all Naval facilities that supply, and/or distribute water in order to help ensure implementation of O&M procedures and maintain water quality. Minimum requirements of the program include the proper implementation and documentation of: emergency and preventative maintenance, system disinfection after maintenance work is performed, scheduled flushing of the system, in order to reduce water quality problems (as needed), implementation and documentation of a valve exercise and maintenance program, and continual maintenance of positive water pressure in all parts of the distribution system. National Primary and Secondary Drinking Water Regulations, 40 CFR 141.63(d) (2) and (3), State drinking water regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities..

EPR Data Entries

Project Name: Develop Operation and Maintenance (O&M) Program/Manual (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05016 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 FOR INITIAL DEVELOPMENT (NON RECURRING)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05016 (Continued)
Project Name:	Develop Operation and Maintenance (O&M) Program/Manual
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the permit number or State/EPA regulatory citation that requires the development/update of the manual. Indicate the type of system that the manual covers, primary or consecutive, and the type of treatment, if any that is being performed. Include a brief description of the numbers of treatment units (sedimentation basins, chlorinators, etc.).</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	Development of the O&M Manual is considered a non-recurring environmental effort. The O&M manual should include the source, distribution, and treatment systems as applicable. The manual should be updated as changes are made to the water system. Updates are programmed under Guidebook Item <u>0516M</u> .
------------------------	---

Effective Date:	Current
------------------------	---------

Guidebook #:

05016 (Continued)

Project Name:

Develop Operation and Maintenance (O&M) Program/Manual

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System \$25,000 to \$50,000

(less than 3,300 people):

Medium Water System \$50,000 to \$300,000

(3,300 to 10,000 people):

Large Water System \$300,000 to \$500,000

(more than 10,000 people):

The cost may include computerized drawings of the water system and will vary depending on whether it includes a source, treatment, and the complexity of the water system. Updates should be about 10% of the initial cost of the manual.

Guidebook #: 05016M

Project Name: Update Operation and Maintenance (O&M) Program/Manual

Requirement: Periodic updates may be required after development of the initial Operation and Maintenance (O&M) Program/Manual. Like Item 05016 this has a continuing environmental regulatory driver, however , this project is considered maintenance of real property and should be programmed and bugeted in the RPM program.

EPR Data Entries

Project Name: Update Operation and Maintenance (O&M) Program/Manual (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05016M (field must be entered by user)

PPI#: N/A(NOT APPLICABLE -NOT AN ENVIRONMENTAL PROGRAM REQUIREMENT)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Cookbook #:	05016M(Continued)
Project Name:	Update Operation and Maintenance (O&M) Program/Manual
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the permit number or State/EPA regulatory citation that requires the development/update of the manual. Indicate the type of system that the manual covers, primary or consecutive, and the type of treatment, if any that is being performed. Include a brief description of the numbers of treatment units (sedimentation basins, chlorinators, etc.).</p>
Funding:	<p>(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u>. To estimate required funding use local information available or consult your EFD/EFA.)</p>
Fund Code:	RPMD (pick field from EPR)

Other Comments:	<p>Update of the O&M Manual is considered a recurring effort and therefore EPR entry at “Fund Code” is RPMD; however, implementation of O&M procedures is considered a recurring effort which is not included in this Guidebook Item.</p> <p>The O&M manual should include the source, distribution, and treatment systems as applicable. The manual should be updated as changes are made to the water system.</p>
Effective Date:	Current

Cookbook #:

05016M(Continued)

Project Name:

Update Operation and Maintenance (O&M) Program/Manual

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System \$2,500 to \$5,000
(less than 3,300 people):

Medium Water System \$5,000 to \$30,000
(3,300 to 10,000 people):

Large Water System \$30,000 to \$50,000
(more than 10,000 people):

The cost may include computerized drawings of the water system and will vary depending on whether it includes a source, treatment, and the complexity of the water system. Updates should be about 10% of the initial cost of the manual.

Guidebook #: 05017

Project Name: Recurring Monitoring Costs

Requirement: This requirement addresses the monthly, quarterly, and annual costs for monitoring, sampling, analysis, and reporting. This includes laboratory costs, compliance monitoring, testing, investigation of complaints relating to compliance, and other special purpose sampling. National Primary and Secondary Drinking Water Regulations, State and/or local drinking water regulations and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Recurring Monitoring Costs (field must be entered by user)
Law/Regulatory Area: SDWA (pick field from EPR)
Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 05017 (field must be entered by user)
PPI#: 4 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 9 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #: 05017 (Continued)

Project Name: Recurring Monitoring Costs

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Justification Information: Provide the type (e.g., bacteriological, chemical, organic, etc.) of monitoring to be performed; the frequency and the approximate number of samples. If required by permit, include the permit number.

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Use this Guidebook Item also for Bacteriological Sample Siting Plan requirements, lead monitoring for high priority buildings (hospitals, day-care centers, schools, and food preparation areas, etc.) and drinking water coolers (if not already accomplished).

P2 Alternatives: Facilities should consider cost effective pollution prevention alternatives, such as using portable analysis equipment or alternative solvent chemicals, when performing monitoring and analysis tasks. Such pollution prevention equipment may be bought with centralized OP,N funds through the Pollution Prevention Equipment Procurement (PPEP) and programmed via a separate data call from CNO to the Major Claimants each November.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

\$5000 to \$25,000 annually depending on the size of the facility and monitoring requirements. States or local regulators may require inorganic/organic sampling plans.

Guidebook #:	05018
Project Name:	Develop and Manage Underground Injection Control Program
Requirement:	<p>Safe Drinking Water Act regulations require Underground Injection Control (UIC) programs to assure that underground injection will not endanger drinking water sources. In the absence of an approved State program, the Federal regulations establish the minimum requirements for all UIC programs and authorizations for permits. The UIC regulations establish five classes of wells, but only Class I and V wells apply to Navy activities. Class I wells are those used to inject industrial, hazardous and municipal wastes beneath the deepest stratum containing an underground drinking water source. Class V wells encompass all wells not covered in Classes I, II, III and IV. All Navy activities with injection wells must develop an UIC program that meets the minimum requirements including an inventory and an assessment of injection wells. Examples of Class V injection wells include air conditioning return flow wells, cesspools, cooling water return flow wells, drainage wells, dry wells, recharge wells, salt water intrusion barrier wells, septic system wells, and floor drains that discharge into the ground instead of to the sanitary or storm systems. All Navy activities with injection wells must develop and maintain an inventory and submit inventory information in accordance with either the State approved program or the EPA administrated program as appropriate. Management controls must be developed to ensure that the inventory information remains valid and current. Information required as part of the inventory includes nature, type and operating status of injection wells. Federal and State Drinking Water Regulations; 40 CFR 144. FGS/OEBGD apply to overseas activities.</p>

EPR Data Entries

Project Name:	Develop and Manage Underground Injection Control Program (field must be entered by user)
Law/Regulatory Area:	SDWA (pick field from EPR)
Environmental Category:	UNIC (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP (pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05018 (field must be entered by user)

Guidebook #:	05018 (Continued)
Project Name:	Develop and Manage Underground Injection Control Program
PPI#:	15 (field must be entered by user, see Appendix E of the Guidebook)
Progress Code:	1 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the approximate number of wells and well types, permit numbers as applicable and whether this is program development or program maintenance.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (Pick field from EPR)

Other Comments:	Initial development of the underground injection program is funded via O&MN. Follow-up maintenance of the program is funded via RPMD.
Effective Date:	Current or future.

Guidebook #:

05018 (Continued)

Project Name:

Develop and Manage Underground Injection Control Program

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

\$10,000 to \$50,000 depending on the size and complexity of the installation and on the extent of the existing program.

Guidebook #: 05018M

Project Name: Service/Repair Underground Injection Control Equipment and Facilities

Requirement: Once installed and in use, underground injection control equipment and facilities may require periodic maintenance and/or repair. Like Item 05018 this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and budgeted in the RPM program.

EPR Data Entries

Project Name: Service/Repair Underground Injection Control Equipment and Facilities (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: UNIC (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05018M (field must be entered by user)

PPI#: N/A (Since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #:	05018M (Continued)
Project Name:	Service/Repair Underground Injection Control Equipment and Facilities
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the approximate number of wells and well types, permit numbers as applicable ..</p>
Funding:	<p>(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u>. To estimate required funding use local information available or consult your EFD/EFA.)</p>
Fund Code:	RPM D (Pick field from EPR

Other Comments:	Initial development of the underground injection program is funded via O&MN. Follow-up maintenance of the program is funded via RPM D.
Effective Date:	Current or future.
Cost Guidance:	<p>As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>Consult your facilities maintenance division or department for cost information.</p>

Guidebook #: 05020

Project Name: Closure of Wells

Requirement: Specific requirements for closure of Class I injection wells are established in approved State programs and regulations and 40 CFR 146. Contact your Federal or state regulator, as appropriate, for requirements for proper closure of wells if they are not specifically included in the regulations. Abandoned drinking water wells must be closed in accordance with applicable State and local regulations.

EPR Data Entries

Project Name: Closure of Wells (field must be entered by user)
Law/Regulatory Area: SDWA (pick field from EPR)
Environmental Category: UNIC (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 05020 (field must be entered by user)
PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	05020 (Continued)
Project Name:	Closure of Wells
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide information on the number and types of wells to be closed and any regulatory deadline/action imposed.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	Improper management could cause a site with abandoned wells that are not closed to become an IR site.
Effective Date:	Current
Cost Guidance:	<p>Note: The following figures are for general guidance only. As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>\$5,000 - \$20,000 per well depending on the closure requirements</p>

Guidebook #:	05021M
Project Name:	Service/Repair and Recertification of Cross-Connection Control Equipment and Facilities
Requirement:	Once installed and in use, cross connection control devices may require periodic service and/or repair. Like Items <u>05001</u> and <u>05002</u> this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and bugeted in the RPM program. This Guidebook Item also provides for periodic recertification testing of backflow preventers (BFPs), maintenance/repair of BFPs, updating the BFP database, annual reinspection of facilities, and installation of new miscellaneous individual BFPs (as defined under “Other Comments”). Maintaining the cross-connection control program is necessary to ensure that existing BFPs are operating properly and that no new cross-connections have been created without proper protection. This helps ensure continued compliance with National Primary and Secondary Drinking Water Regulations. Specific requirements are identified in State and/or local drinking water regulations and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name:	Service/Repair and Recertification of Cross-Connection Control Equipment and Facilities (field must be entered by user)
Law/Regulatory Area:	SDWA (pick field from EPR)
Environmental Category:	PDWS (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP (pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05021M (field must be entered by user)
PPI#:	N/A (Since this is not an environmental requirement, no PPI input required)
Progress Code:	9 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Guidebook #:	05021M (Continued)
Project Name:	Service/Repair and Recertification of Cross-Connection Equipment and Facilities
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide specifics on what is being done, e.g., installing more BFPs to resolve previously unknown problems; recertification, repair, replacement of existing BFPs, etc. Also provide the approximate number, type and sizes of BFPs affected.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	RPMD (pick field from EPR)

Other Comments:	<p>Installation of new miscellaneous individual BFPs which are considered maintenance of the cross-connection control program under this Guidebook Item in lieu of construction under Guidebook Item <u>05002</u> would be for BFPs as follows: BFPs which are determined necessary to protect a previously existing or newly created cross-connection in existing buildings/facilities identified during reinspections of existing buildings/facilities; and BFPs which are needed in newly constructed buildings/facilities or for new water uses which should have been installed but were not installed under the construction project.</p>
------------------------	---

Guidebook #:	05021M (Continued)
Project Name:	Service/Repair and Recertification of Cross-Connection Control Equipment and Facilities
Other Comments (Continued):	Periodic certification testing of a BFP is considered RPMD funded effort necessary to ensure that the item of real property, which in this case is the BFP, is in a state of good repair and is functioning properly. This is differentiated from environmental funding provided for the testing/monitoring of wastewater effluent, potable water, air emissions, etc., which are not considered real property and whose primary purpose is to determine compliance with a quantitative limitation specified in a discharge permit issued by a regulatory agency.
Effective Date:	Current
Cost Guidance:	As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions. Consult your facilities maintenance division or department for cost information.

Guidebook #: 05022

Project Name: Develop and Manage Source Water Protection Program/Conduct Source Water and/or Vulnerability Assessments

Requirement: Regulations require that a public water system develop and manage a source water protection program if the public water system treats a raw water supply from a surface water source or groundwater source under the direct influence of surface water. Effective February 1999, State Source Water Assessment Program Guidance Section 1453 of the SDWA Amendments requires that all states establish Source Water Assessment Programs (SWAP), and submit a plan to the Environmental Protection Agency by February 6, 1999 detailing how they will delineate source water protection areas, inventory significant contaminants in these areas, and determine the susceptibility of each public water supply to contamination. The state has up to two years after EPA program approval, or with an approved time extension, up to no more than three and one half years, to complete the source water assessments. Navy Regional Environmental Coordinators shall coordinate with states when necessary to provide states with information on existing sources of contamination associated with defense activities within delineated source water protection areas. Navy installation water systems treating raw surface water or ground water under the influence of surface water shall coordinate with states to conduct source water assessments and implement source water protection programs. FGS/OEBGD apply to overseas activities and require development of a watershed control program / vulnerability assessment regardless of whether the water system provides filtration.

EPR Data Entries

Project Name: Develop and Manage Source Water Protection Program/Conduct Source Water and/or Vulnerability Assessments (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05022 (field must be entered by user)

Guidebook #: 05022 (Continued)

Project Name: Develop and Manage Source Water Protection Program/Conduct Source Water and/or Vulnerability Assessments

PPI#: 15 (field must be entered by user, see Appendix E of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-7(pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: Once the program is established, a report addressing program compliance must be submitted to the State annually and the State or an agent of the State must be allowed to conduct an on-site inspection. For systems using a ground water source under the direct influence of surface water, an approved wellhead protection program developed under SDWA § 1428 may be used, if the State deems it appropriate, to meet these requirements. Refer to Guidebook Items 05011 and 05012.

Guidebook #: 05022 (Continued)

Project Name: **Develop and Manage Source Water Protection Program/Conduct Source Water and/or Vulnerability Assessments**

Other Comments (Continued): Vulnerability assessments evaluate contaminants of concern within a source water protection area and assesses the potential for contamination of the water supply. Source water protection assessments include information needed to develop vulnerability assessments. For all Navy activities that own/operate surface water sources, source water protection assessments are required. Vulnerability assessments alone may be performed under this Guidebook Item and may later be incorporated in to source water protection assessments and programs.

Effective Date: Current

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System (less than 3,300 people)	less than \$50,000
Medium Water System (3,300 to 10,000 people)	\$50,000 to \$200,000
Large Water System (more than 10,000 people)	\$200,000+

Guidebook #: 05023

Project Name: Disinfectants/Disinfection Byproducts Rule Compliance Study

Requirement: Stage 1 of this rule requires that systems comply with the maximum residual disinfectant levels for chlorine, chloramines, and chlorine dioxide; the MCLs of the disinfection byproducts for THMs (80 ug/l), Haloacetic Acids (60 ug/l); and minimum Total Organic Carbon (TOC) removal requirements for surface water treatment plants. Surface water systems serving greater than 10,000 people are required to comply with the Stage 1 D/DBP Rule by December 2001. Small surface water systems serving less than 10,000 people must comply by December 2003. Stage 2 of this rule is proposed to be published in May 2002. Stage 2 requirements will be determined in part from the results of data collected during an 18 month study by EPA performed under the Information Collection Rule, which was completed in December 1998 National Primary Drinking Water Regulations, State drinking water regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities. (R)

EPR Data Entries

Project Name: Disinfectants/Disinfection Byproducts Rule Compliance Study (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05023 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05023 (Continued)
Project Name:	Disinfectants/Disinfection Byproducts Rule Compliance Study
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections "Requirement", "Other Comments", and "Cost Guidance" as well as local information available.)</p> <p>Justification Information: Indicate the type of disinfection currently being performed, type of system, primary or consecutive, and the current level of disinfection byproducts in the system. Also supply the size of the system (in MGD) and the population served (including shipboard).</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section "Cost Guidance" is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	Study can include source water natural organic material (NOM) removal; change disinfectants, treatment process change, and distribution system operational procedure change. Study should also consider pollution prevention alternatives for NOM removal, disinfectant application, and treatment process recommendations.
Effective Date:	Stage 1: Current Stage 2: Final rule scheduled for issuance May 2002

(R)

Guidebook #:

05023 (Continued)

Project Name:

Disinfectants/Disinfection Byproducts Rule Compliance Study

Cost Guidance:

Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System less than \$60,000

(3,300 or less persons):

Medium Water System \$60,000 to \$100,000

(3,301 to 10,000 persons):

Large Water System \$100,000+

(Greater than 10,000 persons):

Guidebook #:	05024
Project Name:	Design/Construct Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement
Requirement:	<p>When Disinfectants/Disinfection Byproducts Rule Compliance Study indicates a system will not meet the new requirements, then treatment plant upgrades, distribution system reconfiguration, etc., must be designed and installed.</p> <p>Regulations include National Primary Drinking Water Regulations, State drinking water regulations, and OPNAVINST 5090.1B. FGS/OEBGD apply to overseas activities.</p>

EPR Data Entries

Project Name:	Design/Construct Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement (field must be entered by user)
Law/Regulatory Area:	SDWA (pick field from EPR)
Environmental Category:	PDWS (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP (pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05024 (field must be entered by user)
PPI#:	15 (field must be entered by user, see Appendix E of the Guidebook)
Progress Code:	1 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1-7(pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #: 05024 (Continued)

Project Name: Design/Construct Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
See the justification information in 05023. Additional information should include the extent to which construction is expected (modification of existing system or installation of a different/new technology).

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR, or MCN (pick field from EPR)

Other Comments: Scale of improvements is widespread, varying from simple chemical changes, process control modifications to new, major work. Refer to Guidebook Item 05023.

P2 Alternatives: Facilities should consider cost effective pollution prevention alternatives when implementing Disinfectant /Disinfection Byproduct improvement projects. For example, alternative oxidants and disinfectants, such as ozone and chlorine dioxide, may be used in place of free chlorine to control the formation of halogenated by-products of chlorination, depending on the raw water quality and chemistry.

Effective Date: Stage 1: Current
Stage 2: Final rule scheduled for issuance May 2002

(R)

Guidebook #: 05024 (Continued)

Project Name: Design/Construct Disinfectants/Disinfection Byproducts
Equipment and Facilities Improvement

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System less than \$100,000
(3,300 or less persons):

Medium Water System \$100,000 to \$500,000
(3,301 to 10,000 persons):

Large Water System \$500,000+
(Greater than 10,000 persons):

Cost reflects major improvements to the treatment processes and will vary greatly depending on purpose and extent.

Design costs are typically 10% of construction costs and must be programmed in addition to construction costs.

Guidebook #: 05024M

Project Name: Service/Repair Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement

Requirement: Once installed and in use, disinfectants/disinfection byproducts equipment and facilities may require periodic maintenance and/or repair. Like Items 05023 and 05024 this has a continuing environmental regulatory driver, however, this project is considered maintenance of real property and should be programmed and bugeted in the RPM program.

EPR Data Entries

Project Name: Service/Repair Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05024M (field must be entered by user)

PPI#: N/A (since this is not an environmental requirement, no PPI input required)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Guidebook #:	05024M (Continued)
Project Name:	Service/Repair Disinfectants/Disinfection Byproducts Equipment and Facilities Improvement
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>See the justification information in <u>05023</u> and <u>05024</u>. Additional information should include the extent to which service/repair required.</p>
Funding:	<p>(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u>. To estimate required funding use local information available or consult your EFD/EFA.)</p>
Fund Code:	RPMD (pick field from EPR)

Other Comments:	None.	(R)
Effective Date:	<p>Stage 1: Current</p> <p>Stage 2: Final rule scheduled for issuance May 2002</p>	
Cost Guidance:	<p>As indicated in <u>paragraph A.2 of Chapter 0</u> facility specific information should be used for developing cost estimates for the EPR submissions.</p> <p>Consult your facilities maintenance division or department for cost information.</p>	

Guidebook #:	05025
Project Name:	Prepare and Provide Consumer Confidence Report
Requirement:	Safe Drinking Water Act Amendment dated 6 August 1996 requires community water systems to prepare and provide to their customers annual reports on the quality of the water delivered by the systems. These reports would provide valuable information to consumers of tap water from community water systems and allow them to make personal health based decisions regarding their drinking water consumption. Applies to all activities. This is a mandatory requirement. National Primary Drinking Water Standards and SDWA are applicable.

EPR Data Entries

Project Name:	Prepare and Provide Consumer Confidence Reports (field must be entered by user)
Law/Regulatory Area:	SDWA (pick field from EPR)
Environmental Category:	PDWS (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP (pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05025 (field must be entered by user)
PPI#:	6 (field must be entered by user, see Appendix E of the Guidebook)
Progress Code:	9 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #: 05025 (Continued)

Project Name: Prepare and Provide Consumer Confidence Report

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections "Requirement", "Other Comments", and "Cost Guidance" as well as local information available.)

Funding: (Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section "Cost Guidance" is for guidance only. To estimate required funding use local information available or consult your EFD/EFA.)

Fund Code: O&MN or O&MNR (pick field from EPR)

Other Comments: This is an annual report and is considered an environmental funding requirement and therefore the appropriate EPR entry for "Fund Code" is "O&MN".

Effective Date: August 1999

Cost Guidance: Note: The following figures are for general guidance only. As indicated in paragraph A.2 of Chapter 0 facility specific information should be used for developing cost estimates for the EPR submissions.

Small Water System \$5,000 to \$7,500
(less than 3,300 people):

Medium Water System \$15,000 to \$17,500
(3,300 to 10,000 people):

Large Water System \$25,000 to \$30,000
(more than 10,000 people):

Cost indicated above only includes cost of preparing and providing reports. It does not include sampling cost. The cost is based on mailing a report to each customer. If other methods of providing the consumer confidence reports are used, the cost will be substantially less.

Guidebook #: 05940

Project Name: Training

Requirement: Level 1 training required by specific federal, state or local laws or regulations or executive orders; and training required to allow Navy activities to achieve and maintain compliance with the drinking water requirements of federal, state or local laws or regulations or executive orders.

Technical and maintenance personnel must receive proper training regarding potable water system monitoring, oversight, inspection and maintenance, cross connection/backflow prevention, and corrosion control monitoring to help ensure drinking water quality at Navy installations.

EPR Data Entries

Project Name:	Training (field must be entered by user)
Law/Regulatory Area:	MULT (pick field from EPR)
Environmental Category:	TRNG (pick field from EPR, Law/Reg dep.)
Project Assessment:	H/M/L (pick field; high, medium, low)
Compliance Status:	(pick field from EPR , automatically changes class)
Pillar:	CMP (pick field from EPR software)
Fund Command:	(pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor:	04 (pick field from EPR indicating the command sponsoring project)
Cookbook #:	05940 (field must be entered by user)
PPI#:	2(field must be entered by user, see Appendix E of the Guidebook)
Progress Code:	9 (pick field from EPR)
P2 Category:	(pick field from EPR)
Navy Assessment Level:	1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG:	(field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command:	(pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority:	1-3 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05940 (Continued)
Project Name:	Training (Required under SDWA Statute)
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the number of people to be trained, the regulation that requires the training and the type of training to be performed (in-house, off site, video, etc.).</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	<p>This Cookbook Item should be used for all drinking water related training requirements, both those that are mandated by statute, regulation, or executive order and those necessary to allow compliance with drinking water requirements in federal, state and local laws and regulations and executive orders. Activities must enter the title and purpose of the training being requested.</p> <p>See additional information provided in section <u>A.6.a of Chapter 0</u>.</p>
Effective Date:	Dependent on specific safe drinking water training requirements.
Cost Guidance:	\$1000 to \$3,000 per person, per year.
	Note: Travel and per diem cost will be higher overseas.

Guidebook #: 05942

Project Name: Water Supply, Treatment or Distribution System Operator Training

Requirement: Training for drinking water supply, treatment plant and/or distribution system operators is required by State and local safe drinking water regulations. Navy operators must have, at a minimum, the following: 1) basic water plant and distribution system design; 2) basic water plant control equipment; 3) water plant and/or distribution system treatment principles; 4) water sampling and analysis; and 5) water plant and/or distribution system documentation and reporting requirements. OPNAVINST 5090.1B and State and local regulations. FGS/OEBGD apply to overseas activities.

EPR Data Entries

Project Name: Water Supply, Treatment or Distribution System Operator Training
(Required by Navy Policy or to Stay Abreast of Regulatory changes)
(field must be entered by user)

Law/Regulatory Area: MULT (pick field from EPR)

Environmental Category: TRNG (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05942 (field must be entered by user)

PPI#: 2 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 2 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Guidebook #:	05492 (Continued)
Project Name:	Water Supply, Treatment or Distribution System Operator Training
Comments:	(Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of <u>Appendix D</u> for examples and for appropriate format of cost information.)
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide the number of people to be trained, the regulations that require the training and the type of training to be provided (in house, off site, video, etc.).</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)

Other Comments:	Required annually to maintain current certification.
Effective Date:	Current
Cost Guidance:	\$500 to \$2,500 per person.

Guidebook #: 05949

Project Name: Travel Related to 05940 & 05942 (Activities please use a descriptive title)

Requirement: Dependent upon specific training requirements indicated in Guidebook Items 05940 and 05942.

EPR Data Entries

Project Name: Travel Related to 05940 and 05942 (field must be entered by user)

Law/Regulatory Area: MULT (pick field from EPR)

Environmental Category: PGMT (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR, automatically changes class)

Pillar: PVN or CMP or CNS or CLN (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 4 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05949 (field must be entered by user)

PPI#: 2 (field must be entered by user, see Appendix E of the Guidebook)

Progress Code: 9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1, 4-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of Appendix D for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with Appendix D. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Guidebook #:	05949 (Continued)
Project Name:	Travel Related to 05940 & 05942 (Activities please use a descriptive title)
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR(Pick field from EPR)
Other Comments:	This Guidebook Item should only be used for travel requirements that are related to training as indicated in Guidebook Items <u>05940</u> and <u>05942</u> . Activities must enter the title and purpose of the travel being requested. <u>Use only if total travel cost for any single year is more than \$5,000.</u>
Effective Date:	Dependent on specific training requirements.
Cost Guidance:	Dependent on specific training locations.
.	

Guidebook #: 05950

Project Name: Specific State Requirements

Requirement: Specific State safe drinking water requirements which are either more stringent than or not addressed in existing Federal requirements.

EPR Data Entries

Project Name: Specific State Requirements (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05950 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1,2,3 or 4 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 2 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	05950 (Continued)
Project Name:	Specific State Requirements
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide citation of specific state regulation, NOV number or other legal driver (Memorandum of Agreement title/number, etc.).</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR(pick field from EPR)
<hr/>	
Other Comments:	<p>This Guidebook Item should only be used for specific State requirements that are not addressed in the requirements of another Guidebook Item. The user must add a unique title if using this reference number. The narrative must include a description of the specific state regulation driving use of this Guidebook Item.</p> <p>Actions to comply with new/existing state requirements which are more stringent than Federal requirements or are not addressed in Federal requirements are funded via O&MN.</p>
Effective Date:	Dependent on specific state safe drinking water requirements.
Cost Guidance:	Dependent on specific state safe drinking water requirements.

Guidebook #: 05960

Project Name: Specific Local Requirements

Requirement: Specific local safe drinking water requirements which are either more stringent than or not addressed in existing Federal or State requirements.

EPR Data Entries

Project Name: Specific Local Requirements (Such as Natural Gas) (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05960 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1,2,3,or 4 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 3 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	05960 (Continued)
Project Name:	Specific Local Requirements
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Justification Information: Provide citation of specific local regulation, NOV number or other legal driver (Memorandum of Agreement title/number etc.).</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	This Guidebook Item should only be used for specific local requirements that are not addressed in the requirements of another Guidebook Item. The user must add a unique title if using this reference number. The narrative must include a description of the specific state regulation driving use of this Guidebook Item.
Effective Date:	Dependent on specific local safe drinking water requirements.
Cost Guidance:	Dependent on specific local safe drinking water requirements.

Guidebook #: 05970

Project Name: Specific Overseas Requirements

Requirement: DOD Instr 4715.5 and OPNAVINST 5090.1B require compliance with the Final Governing Standards (FGS) or the Overseas Environmental Baseline Guidance Document (OEBGD), if a FGS has not been written, to protect human health and the environment

EPR Data Entries

Project Name: Specific Overseas Requirements (field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: PDWS (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05970 (field must be entered by user)

PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1,2,3 or 4 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 5, 6 or 7(pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Narrative: (Give a detailed description of the project in accordance with [Appendix D](#). Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)

Guidebook #:	05970 (Continued)
Project Name:	Specific Overseas Requirements
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	Project name/title must be specific describing the exact requirement that is being addressed. Costs should be based upon historical data and similar projects in CONUS. Your geographical EFD/EFA can assist in the formalization of the requirement and provide budget estimates.
Effective Date:	Dependent on specific solid waste Final Governing Standards (FGS) or Overseas Environmental Baseline Governing Document (OEBGD) requirements.
Cost Guidance:	Dependent on specific solid waste Final Governing Standards (FGS) or Overseas Environmental Baseline Governing Document (OEBGD) requirements.

Guidebook #: 05980
Project Name: Program Fees
Requirement: Payment of fees to regulatory agencies to support safe drinking water requirements. Specific safe drinking water requirements.

EPR Data Entries

Project Name: Program Fees (field must be entered by user)
Law/Regulatory Area: SDWA (pick field from EPR)
Environmental Category: PRMT (pick field from EPR, Law/Reg dep.)
Project Assessment: H/M/L (pick field; high, medium, low)
Compliance Status: (pick field from EPR , automatically changes class)
Pillar: CMP (pick field from EPR software)
Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)
Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)
Cookbook #: 05980 (field must be entered by user)
PPI#: 15 (field must be entered by user, see [Appendix E](#) of the Guidebook)
Progress Code: 1,2,3 or 4 (pick field from EPR)
P2 Category: (pick field from EPR)
Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)
AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)
Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)
Regulatory Authority: 1-7(pick field from EPR, indicating regulation reference: federal, state, local, etc.)
Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	05980 (Continued)
Project Name:	Program Fees
Narrative:	<p>(Give a detailed description of the project in accordance with <u>Appendix D</u>. Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)</p> <p>Indicate the scope of the permit, why the permit fee is required, and the impact if the permit fee is not funded. Justification Information: Cite the specific Regulatory Authority, Memorandum of Agreement, etc. Provide the number of systems/permits being affected.</p>
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	This Guidebook Item should only be used for specific requirements related to the payment of water usage, source selection, permit, or other fees that are not addressed in the requirements of an existing Guidebook Item.
Effective Date:	Dependent on specific safe drinking water requirements.
Cost Guidance:	\$500 to \$2000 per fee, dependent on specific safe drinking water requirements. Use historical data.

Guidebook #: 05999

Project Name: Miscellaneous Requirements

(Activities: Please use descriptive title)

Requirement: Provide support for safe drinking water requirements not addressed in an existing Guidebook Item. Specific safe drinking water requirements.

EPR Data Entries

Project Name: Miscellaneous Requirements (Activities please use a descriptive title)
(field must be entered by user)

Law/Regulatory Area: SDWA (pick field from EPR)

Environmental Category: (pick field from EPR, Law/Reg dep.)

Project Assessment: H/M/L (pick field; high, medium, low)

Compliance Status: (pick field from EPR , automatically changes class)

Pillar: CMP (pick field from EPR software)

Fund Command: (pick field from EPR indicating the claimant providing the funds for the project)

Resource Sponsor: 04 (pick field from EPR indicating the command sponsoring project)

Cookbook #: 05999 (field must be entered by user)

PPI#: 15 IF NON RECURRING, 6 IF RECURRING (field must be entered by user, see [Appendix E](#) of the Guidebook)

Progress Code: 1-9 (pick field from EPR)

P2 Category: (pick field from EPR)

Navy Assessment Level: 1-5 (field must be entered by user: 1-legal requirement, 2-navy policy, 3-pending regulation, 4-future requirement, 5-leadership initiative)

AG/SAG: (field must be entered by user; accounting group/sub-accounting group, claimant provides this code.)

Approving Command: (pick field from EPR indicating command with authority and responsibility for approving the project)

Regulatory Authority: 1-7 (pick field from EPR, indicating regulation reference: federal, state, local, etc.)

Comments: (Provide additional information to further clarify any of the above Guidebook Item elements and to further justify the project. Use this field to provide information that explains how the funds requested were calculated (e.g., indicate unit price and number of units considered to develop the cost estimates). See paragraph B.3 of [Appendix D](#) for examples and for appropriate format of cost information.)

Guidebook #:	05999 (Continued)
Project Name:	Miscellaneous Requirements
Narrative:	(Give a detailed description of the project in accordance with <u>Appendix D</u> . Use information provided as guidance by this Guidebook under sections “Requirement”, “Other Comments”, and “Cost Guidance” as well as local information available.)
Funding:	(Provide funds requested for each year of the PR or POM cycle. Information provided by this Guidebook under section “Cost Guidance” is <u>for guidance only</u> . To estimate required funding use local information available or consult your EFD/EFA.)
Fund Code:	O&MN or O&MNR (pick field from EPR)
<hr/>	
Other Comments:	The user must add a unique title if using this reference number. The narrative must include a description of the specific state or other regulation driving the use of this Guidebook Item.
Effective Date:	Dependent on specific safe drinking water requirements.
Cost Guidance:	Dependent on specific safe drinking water requirements.

